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L16	L15 AND discordant \	18	L16
L15	L14 AND polypeptide	3422	L15
L14	L13 AND alpha-helix	3902	L14
L13	L12 AND helix	44513	L13
L12	(ES OR MALDI OR MS OR CD OR FTIR OR NMR OR H/D)	15148742	L12
L11	L10 AND alpha-helix	5	L11
L10	((525/54.1)!.CCLS.)	745	L10
L9	L8 AND discordant helix	0	L9
L8	((435/7.2)!.CCLS.)	2063	L8
L7	L5 AND L6	114	L7
L6	Abeta OR PrP OR SP-C	4434	L6
L5	alpha helix	5246	L5
L4	discordant helix	2	L4
L3	Johansson-Jan.IN.	33	L3
L2	Johansson-J.IN.	128	L2
L1	(Johansson.IN.)	5399	L1

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PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Book

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1: Kondo S, Schutte BC, Richardson RJ, Bjork BC, Knight AS, Watanabe Y, Howard E, de Lima RL, Daack-Hirsch S, Sander A, McDonald-McGinn DM, Zackai EH, Lammer EJ, Aylsworth AS, Ardinger HH, Lidral AC, Pober BR, Moreno L, Arcos-Burgos M, Valencia C, Houdayer C, Bahuau M, Moretti-Ferreira D, Richieri-Costa A, Dixon MJ, Murray JC. Related Articles, Links

Mutations in IRF6 cause Van der Woude and popliteal pterygium syndromes.
Nat Genet. 2002 Oct;32(2):285-9. Epub 2002 Sep 03.
PMID: 12219090 [PubMed - indexed for MEDLINE]

2: Clerici M, Barassi C, Devito C, Pastori C, Piconi S, Trabattoni D, Longhi R, Hinkula J, Broliden K, Lopalco L. Related Articles, Links

Serum IgA of HIV-exposed uninfected individuals inhibit HIV through recognition of a region within the alpha-helix of gp41.
AIDS. 2002 Sep 6;16(13):1731-41.
PMID: 12218383 [PubMed - indexed for MEDLINE]

3: Kallberg Y, Gustafsson M, Persson B, Thyberg J, Johansson J. Related Articles, Links

Prediction of amyloid fibril-forming proteins.
J Biol Chem. 2001 Apr 20;276(16):12945-50. Epub 2000 Dec 27.
PMID: 11134035 [PubMed - indexed for MEDLINE]

4: Wen WH, Bernstein L, Lescallett J, Beazer-Barclay Y, Sullivan-Halley J, White M, Press MF. Related Articles, Links

Comparison of TP53 mutations identified by oligonucleotide microarray and conventional DNA sequence analysis.
Cancer Res. 2000 May 15;60(10):2716-22.
PMID: 10825146 [PubMed - indexed for MEDLINE]

5: Jaskowski TD, Schroder C, Martins TB, Mouritsen CL, Litwin CM, Hill HR. Related Articles, Links

Screening for antinuclear antibodies by enzyme immunoassay.
Am J Clin Pathol. 1996 Apr;105(4):468-73.
PMID: 8604689 [PubMed - indexed for MEDLINE]

6: Murrell AM, Bockamp EO, Gottgens B, Chan YS, Cross MA, Heyworth CM, Green AR. Related Articles, Links

Discordant regulation of SCL/TAL-1 mRNA and protein during erythroid differentiation.
Oncogene. 1995 Jul 6;11(1):131-9.
PMID: 7624120 [PubMed - indexed for MEDLINE]

7: Syrjanen SM. Related Articles, Links

Basic concepts and practical applications of recombinant DNA techniques in detection of human papillomavirus (HPV) infection. Review article.
APMIS. 1990 Feb;98(2):95-110. Review.
PMID: 2154242 [PubMed - indexed for MEDLINE]

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=> D L1 1-39

L1   ANSWER 1 OF 39  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN   2001:301273  BIOSIS
DN   PREV200100301273
TI   Prediction of amyloid fibril-forming proteins.
AU   Kallberg, Yvonne; Gustafsson, Magnus; Persson, Bengt; Thyberg, Johan;
     Johansson, Jan (1)
CS   (1) Department of Medical Biochemistry and Biophysics, Karolinska
     Institutet, S-171 77, Stockholm: jan.johansson@mbb.ki.se Sweden
SO   Journal of Biological Chemistry, (April 20, 2001) Vol. 276, No. 16, pp.
     12945-12950. print.
     ISSN: 0021-9258.
DT   Article
LA   English
SL   English

L1   ANSWER 2 OF 39  CABA COPYRIGHT 2003 CABI on STN
AN   2001:79276  CABA
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DN 20013069058
TI Prediction of amyloid fibril-forming proteins
AU Kallberg, Y.; Gustafsson, M.; Persson, B.; Thyberg, J.; Johansson, J.
CS Department of Medical Biochemistry and Biophysics, Karolinska Institutet, S-171 77 Stockholm, Sweden.
SO Journal of Biological Chemistry, (2001) Vol. 276, No. 16, pp. 12945-12950. 49 ref.
ISSN: 0021-9258
DT Journal
LA English

L1 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:391995 CAPLUS
DN 136:395932
TI ***Discordant*** ***helix*** stabilization for prevention of amyloid formation
IN White, Martin Paul; Johansson, Jan
PA Alphabeta Ab, Swed.
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002041002	A2	20020523	WO 2001-GB5117	20011120
	WO 2002041002	A3	20030515		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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	US 2002143105	A1	20021003	US 2001-988842	20011119
	AU 2002023843	A5	20020527	AU 2002-23843	20011120
	EP 1337855	A2	20030827	EP 2001-996742	20011120
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	US 2000-253695P	P	20001120		
	US 2000-251662P	P	20001206		
	WO 2001-GB5117	W	20011120		

L1 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:318504 CAPLUS
DN 135:73005
TI Prediction of amyloid fibril-forming proteins
AU Kallberg, Yvonne; Gustafsson, Magnus; Persson, Bengt; Thyberg, Johan; Johansson, Jan
CS Department of Medical Biochemistry and Biophysics, Medical Nobel Institute, Karolinska Institutet, Stockholm, S-171 77, Swed.
SO Journal of Biological Chemistry (2001), 276(16), 12945-12950
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
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L1 ANSWER 5 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99448 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English

OS 2002-519389 [55]
DESC Variant peptide of human amyloid beta-peptide (residues 15-25).

L1 ANSWER 6 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99447 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Polyleucine analogue of pig lung surfactant-associated protein C (SP-C).

L1 ANSWER 7 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99446 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human coagulation factor XIII (1ggtb) helical segment.

L1 ANSWER 8 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99445 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Escherichia coli lytic transglycosylase Slt35 (1quta) helical segment.

L1 ANSWER 9 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99444 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Serratia marcescens haem-binding protein A (1b2va) helical segment.

L1 ANSWER 10 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

AN AAU99443 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Bos taurus purine nucleoside phosphorylase (1b8oa) helical segment #2.

L1 ANSWER 11 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99442 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Bos taurus purine nucleoside phosphorylase (1b8oa) helical segment #1.

L1 ANSWER 12 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99441 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human ras-GTPase activating domain of p120GAP (1wer) helical segment.

L1 ANSWER 13 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99440 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC A. acidocaldarius squalene-hopene cyclase (2sqca) helical segment.

L1 ANSWER 14 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99439 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in

presence and absence of compound -
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(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Bos taurus cytochrome C oxidase (2occk) helical segment.

L1 ANSWER 15 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99438 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Candida antarctica lipase B (1tca) helical segment.

L1 ANSWER 16 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99437 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Curvularia inaequalis chloroperoxidase (1vns) helical segment.

L1 ANSWER 17 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99436 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Pseudomonas fluorescens carboxylesterase (1aura) helical segment.

L1 ANSWER 18 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99435 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Methylococcus capsulatus methane monoxygenase (1mtyd) helical segment.

L1 ANSWER 19 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99434 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human sec7 domain of exchange factor ARNO (1pbv) helical segment.

L1 ANSWER 20 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99433 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Syrian hamster prion protein (1b10) helical segment.

L1 ANSWER 21 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99432 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Mouse prion protein (1ag2) helical segment.

L1 ANSWER 22 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99431 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
    helix in polypeptide, by measuring amount of I-helix in sample
    containing ***discordant*** ***helix*** -containing polypeptide in
    presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
    (WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
    US 2000-251662P 20001206

DT Patent
LA English
OS 2002-519389 [55]
DESC Human amyloid beta-peptide (1ba6) helical segment.

L1 ANSWER 23 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99430 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human prion protein (3pte) helical segment.

L1 ANSWER 24 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99429 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Streptomyces sp. R61 transpeptidase (3pte) helical segment.

L1 ANSWER 25 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99428 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Xanthomonas oryzae inovirus (2ifo) helical segment.

L1 ANSWER 26 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99427 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Pig surfactant-associated protein C (1spf) helical segment.

L1 ANSWER 27 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99426 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Halobacterium halobium bacteriorhodopsin (1bct) helical segment.

L1 ANSWER 28 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99425 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human amyloid beta-peptide (Abeta) fragment (residues 1-40).

L1 ANSWER 29 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99424 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Peptide #2 used in fibrillation/aggregation studies of amyloid beta.

L1 ANSWER 30 OF 39 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAU99423 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Peptide #1 used in fibrillation/aggregation studies of amyloid beta.

L1 ANSWER 31 OF 39 EMBAL COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 2003289761 EMBASE Alert (EMBAL)

TI Molecular determinants for amyloid fibril formation: Lessons from lung surfactant protein C.
AU Johansson J.
CS Dr. J. Johansson, Dept. of Vet. Medical Chemistry, Swedish Univ. of Agric. Sciences, Biomedical Centre, S-751 23 Uppsala, Sweden. jan.johansson@vmk.slu.se
SO Swiss Medical Weekly, (17 May 2003) 133/19-20 (275-282). Refs: 89. CODEN: SMWWA ISSN: 1424-7860
CY Switzerland
DT General Review
LA English
SL English

L1 ANSWER 32 OF 39 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10199399 IFIPAT;IFIUDB;IFICDB
TI ***DISCORDANT*** ***HELIX*** STABILIZATION FOR PREVENTION OF AMYLOID FORMATION; PROVIDING TEST SAMPLE COMPRISING A POLYPEPTIDE THAT CONTAINS A ***DISCORDANT*** ***HELIX*** IN FORM OF ALPHA-HELIX; CONTACTING TEST SAMPLE WITH TEST COMPOUND; DETERMINING RATE OF DECREASE AMOUNT OF ALPHA -HELIX IN TTEST SAMPLE
IN Johansson Jan (SE)
PA Unassigned Or Assigned To Individual (68000)
PI US 2002143105 A1 20021003
AI US 2001-988842 20011119
PRAI US 2000-251662P 20001206 (Provisional)
US 2000-253695P 20001120 (Provisional)
FI US 2002143105 20021003
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 9
GI 12 Figure(s).

FIG. 1 is a bar graph that depicts the occurrence of alphahelical segments with high beta-strand propensities. The number of protein segments are plotted versus the lengths of the segments for which experimentally determined alpha-helices coincide with beta-strands predicted with a PHD reliability index greater-double-equals 5 for all residues. The PBD codes are given for the proteins from which the helices with greaterdouble-equals 7 residues emanate. Codes in bold identify proteins that form amyloid fibrils in vivo, and italics denote proteins shown to form fibrils. The outcome of predictions for prion proteins from human (hPrP) and mouse (mPrP) are indicated. The PDB codes represent, in alphabetical order: 1aa0=fibritin deletion mutant (Bacteriophage T4), 1 aura=carboxylesterase (Pseudomonas fluorescens), 1b10(sPrP)=prion protein (Syrian hamster), 1b2va=heme-binding protein A (Serratia marcescens), 1b5ea=dCMP hydroxymethylase (Bacteriophage T4), 1b8oa=purine nucleoside phosphorylase (Bos taurus), 1ba6=beta amyloid protein (Homo sapiens), 1bct=bacteriorhodopsin (Halobacterium halobium), 1b11=parathyroid hormone receptor (Homo sapiens), cpo=chloroperoxidase (Leptoxyphium fumago), 1cv8=staphopain (Staphylococcus aureus), 1 ecra=replication terminator protein (Escherichia coli), 1ggtb=coagulation factor XIII (Homo sapiens) , 1h2as-hydrogenase (Desulfovibrio vulgaris), 1iab=astacin (Astacus astacus), 1jkmb=brefeldin A esterase (Bacillus subtilis), 1kpta=killer toxin (Ustilago maydis), 1lml=leishmanolysin (Leishmania major), 1mhdb=smad MH1 doman (Homo sapiens), 1mnma=transcription factor MVM1 (Saccharomyces cerevisiae), 1mtyd=methane monooxygenase (Methylococcus capsulatus), 1nom=DNA polymerase beta (Rattus norvegicus), 1noza=DNA polymerase (Bacteriophage T4), 1pbv-sec7 domain of exchange factor ARNO (Homo sapiens), 1quta=lytic transglycosylase Slt35 (Escherichia coli) 1smd=salivary amylase (Homo sapiens), 1spf (SP-C)=surfactant-associated protein C (Sus scrofa), 1sra=osteonectin (Homo sapiens), 1taha=lipase (Burkholdia glumae), 1tca=lipase B (Candida antarctica), 1vns=chloroperoxidase (Curvularia inaequalis), 1wer=Ras-GTPaseactivating domain of p120GAP (Homo sapiens), 2erl=pheromone Er1 (Eurplotes raikovi), 2ifo=inovirus (Xanthomonas oryzae), 2occk=cytochrome C oxidase (Bos taurus), 2sqca=squalene-hopene cyclase (Alicyclobacillus acidocaldarius), 3aig=adamalysin II (Crotalus adamanteus), 3pte=transpeptidase (Xstreptomyces R61).

FIG. 2 is a set of diagrams that depict the characteristics of long ***discordant*** ***helix*** segments. Amino acid sequences, together with determined and predicted secondary structure elements for sequences having greater-double-equals 9=residue discordant segments are shown. Also shown are those discordant segments of A beta, mouse PrP, and human PrP. The proteins are grouped by the length of their discordant stretch. The experimentally determined helical segments are drawn as blue cylinders in the bottom row of each case in which the amino acid

sequences and residue positions in the PDB entries of the corresponding proteins are given. The locations of the beta-strands predicted by PHD are visualized by yellow strands in the middle row of each case, wherein the reliability index for each residue is shown. The Chou-Fasman-based predictions averaged for 6-residue segments are plotted above residue 3 in each segment and given in the top row of each case. E and e denote extended structures (i.e., beta-strands) predicted with high and low probability, respectively, as in Chou and Fasman (1978, Adv. Enzymol. 47:45-148), and H and h represent predicted helical structures in an analogous manner.

FIG. 3 is a diagram that depicts the amino acid sequence (bottom row) and predicted secondary structure by PHD and according to Chou-Fasman analysis for a polyleucine analogue of SP-C (lung surfactant protein C). The PHD predictions including reliability indices are given in the middle row and the ChouFasman data in the top row, but in this case an alpha-helix is predicted by both methods, symbolized by a blue cylinder for the PHD prediction.

FIG. 4 is a graph that depicts data from an experiment in which the relative amounts of SP-C(squares) and SP-C(Leu) (triangles) remaining in solution after centrifugation at 20,000 x g for 20 minutes at different time points after solubilization were measured.

FIG. 5 is a set of diagrams that depict the experimentally determined and predicted secondary structures of positions 1-28 of A beta and a variant of A beta (1-28) in which three residues have been changed to alanine (K16A, L17A, F20A). Symbols are as described for FIGS. 2 and 4.

FIGS. 6A-6C are graphs depicting the effects various tripeptides on fibril formation by A beta (14-23) (FIG. 6A), A beta (12-24) (FIG. 6B), and A beta (1-40) (FIG. 6C). Unless otherwise indicated, the tripeptides have free N- and C-termini. The results are representative for two to three independent experiments.

FIG. 7 is a graph depicting the effects of various tripeptides and tetrapeptides on fibril formation by A beta (14-23).

FIG. 8 is a graph depicting the effects of the peptides KAD, AAA, and KFFE (SEQ ID NO:1) on A beta (1-40) aggregation. Samples were analyzed in duplicate.

FIGS. 9A-9E depict the fibrillar structures of A beta (1-40) formed in the absence of tripeptide (9A), in the presence of KAD (9B), acetyl-KAD-amide (9C), AAA (9D), or acetyl-AAA-amide (9E).

FIG. 10 depicts the KAD peptide in an energy-minimized conformation (top structure), the KAD peptide in an extended conformation (middle structure), and the KFFE (SEQ ID NO:1) peptide in an extended conformation (bottom structure). The amino and carboxyl groups of the charged side-chains are on the same side of the polypeptide backbone in KAD and the distances between them are then shown. In KFFE, the charged side-chains are on opposite sides of the polypeptide backbone.

FIG. 11 depicts the charge separation of A beta (15-23) in alpha -helical and beta-strand conformations. The upper panel shows the A beta (15-23) region in helical conformation, symbolized by the cylinder. The charged side-chains Lys16, Glu22 and Asp23 are shown. In the lower panel, the A beta (15-23) region is modeled in beta-strand/extended conformation, indicated by the wavy strand. The charged side-chains are shown. For the helical conformation, the distances between the epsilon-amino group of Lys16 and the gamma-carboxyl group of Glu22 and the betacarboxyl group of Asp23 are shown, and for the extended conformation the Lys16-Glu22 distance is indicated.

FIG. 12 is a model of A beta fibril formation and the associated effects of helix-stabilizing agents. The upper row depicts the transformations that helical A beta peptides are thought to undergo to form beta-sheet fibrils. Monomeric A beta in aqueous solution is structurally disordered (i.e. it interconverts between different structures including alphahelical and beta-strand conformations) and A beta in extended conformation will be able to polymerize via the formation of intermolecular contacts in beta-sheets. Compounds that can interact preferentially with helical A beta (here represented by the doubly charged ligand) will shift the equilibrium from the extended conformation and thereby reduce formation of fibrils. The cylinder represents the helix centered around residues 16-23 of A beta and the + and -signs represent Lys16 and Glu22/Asp23, respectively.

L1 ANSWER 33 OF 39 LIFESCI COPYRIGHT 2003 CSA on STN
AN 2002:10265 LIFESCI
TI Prediction of Amyloid Fibril-forming Proteins
AU Kallberg, Y.; Gustafsson, M.; Persson, B.; Thyberg, J.; Johansson, J.
CS Department of Medical Biochemistry and Biophysics, Karolinska Institutet and the Department of Cell and Molecular Biology, Medical Nobel Institute, Karolinska Institutet, S-171 77 Stockholm, Sweden; E-mail:

jan.johansson@mbb.ki.se
SO Journal of Biological Chemistry [J. Biol. Chem.], (20010420) vol. 276, no. 16, pp. 12945-12950.
ISSN: 0021-9258.
DT Journal
FS N3
LA English
SL English

L1 ANSWER 34 OF 39 MEDLINE on STN
AN 2001308619 MEDLINE
DN 21201133 PubMed ID: 11134035
TI Prediction of amyloid fibril-forming proteins.
AU Kallberg Y; Gustafsson M; Persson B; Thyberg J; Johansson J
CS Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Medical Nobel Institute, Karolinska Institutet, S-171 77 Stockholm, Sweden.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Apr 20) 276 (16) 12945-50.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010604
Last Updated on STN: 20030105
Entered Medline: 20010531

L1 ANSWER 35 OF 39 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
AN 2003:642169 SCISEARCH
GA The Genuine Article (R) Number: 703PG
TI Molecular determinants for amyloid fibril formation: lessons from lung surfactant protein C
AU Johansson J (Reprint)
CS Swedish Univ Agr Sci, Ctr Biomed, Dept Vet Med Chem, Box 575, S-75123 Uppsala, Sweden (Reprint); Swedish Univ Agr Sci, Ctr Biomed, Dept Vet Med Chem, S-75123 Uppsala, Sweden
CYA Sweden
SO SWISS MEDICAL WEEKLY, (17 MAY 2003) Vol. 133, No. 19-20, pp. 275-282.
Publisher: E M H SWISS MEDICAL PUBLISHERS LTD, STEINENTORSTRASSE 13, CH-4-10 BASEL, SWITZERLAND.
ISSN: 1424-7860.
DT General Review; Journal
LA English
REC Reference Count: 89
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L1 ANSWER 36 OF 39 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
AN 2001:339655 SCISEARCH
GA The Genuine Article (R) Number: 423VN
TI Prediction of amyloid fibril-forming proteins
AU Kallberg Y; Gustafsson M; Persson B; Thyberg J; Johansson J (Reprint)
CS Karolinska Inst, Dept Med Biochem & Biophys, S-17177 Stockholm, Sweden (Reprint); Karolinska Inst, Med Nobel Inst, Dept Cell & Mol Biol, S-17177 Stockholm, Sweden
CYA Sweden
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (20 APR 2001) Vol. 276, No. 16, pp. 12945-12950.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA.
ISSN: 0021-9258.
DT Article; Journal
LA English
REC Reference Count: 50
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L1 ANSWER 37 OF 39 TOXCENTER COPYRIGHT 2003 ACS on STN
AN 2001:135302 TOXCENTER
CP Copyright 2003 ACS
DN CA135060730O5W
TI Prediction of amyloid fibril-forming proteins
AU Kallberg, Yvonne; Gustafsson, Magnus; Persson, Bengt; Thyberg, Johan; Johansson, Jan
CS Department of Medical Biochemistry and Biophysics, Medical Nobel Institute, Karolinska Institutet, Stockholm, S-171 77, Swed..
SO Journal of Biological Chemistry, (2001) Vol. 276, No. 16, pp. 12945-12950.

CODEN: JBCHA3. ISSN: 0021-9258.
CY SWEDEN
DT Journal
FS CAPLUS
OS CAPLUS 2001:318504
LA English
ED Entered STN: 20011116
Last Updated on STN: 20030617

L1 ANSWER 38 OF 39 USPATFULL on STN
AN 2002:259529 USPATFULL
TI ***discordant*** ***helix*** stabilization for prevention of amyloid formation
IN Johansson, Jan, Stockholm, SWEDEN
PI US 2002143105 A1 20021003
AI US 2001-988842 A1 20011119 (9)
PRAI US 2000-253695P 20001120 (60)
US 2000-251662P 20001206 (60)
DT Utility
FS APPLICATION
LN.CNT 1541
INCL INCLM: 525/054.100
NCL NCLM: 525/054.100
IC [7]
ICM: C08H001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 39 OF 39 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 2002-519389 [55] WPIDS
DNN N2002-411095 DNC C2002-146972
TI Identifying compounds that stabilize I-helix of ***discordant*** ***helix*** in polypeptide, by measuring amount of I-helix in sample containing ***discordant*** ***helix*** -containing polypeptide in presence and absence of compound.
DC B04 S03
IN JOHANSSON, J; WHITE, M P
PA (ALPH-N) ALPHABETA AB; (WHIT-I) WHITE M P; (JOHA-I) JOHANSSON J
CYC 100
PI WO 2002041002 A2 20020523 (200255)* EN 55p G01N033-68
STN INTERNATIONAL LOGOFF AT 16:25:26 ON 26 SEP 2003